



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

| APPLICATION NO.   | FILING DATE | FIRST NAMED INVENTOR        | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|-----------------------------|---------------------|------------------|
| 10/584,063  | 06/22/2006  | Yorihiko Wakayama           | 2006_0926A          | 8966             |
| 52349 7590 04/27/2011<br>WENDEROTH, LIND & PONACK L.L.P.<br>1030 15th Street, N.W.<br>Suite 400 East<br>Washington, DC 20005-1503 |             |                             |                     |                  |
| EXAMINER<br>YANG, ANDREW GUS  |             |                             |                     |                  |
| ART UNIT<br>2628  |             | PAPER NUMBER                |                     |                  |
| NOTIFICATION DATE<br>04/27/2011   |             | DELIVERY MODE<br>ELECTRONIC |                     |                  |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ddalecki@wenderoth.com  
coa@wenderoth.com

**Advisory Action**  
**Before the Filing of an Appeal Brief**

**Application No.**

10/584,063

**Applicant(s)**

WAKAYAMA, YORIIHIKO

**Examiner**

ANDREW YANG

**Art Unit**

2628

**--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

THE REPLY FILED 12 April 2011 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. ☒ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

- a) ☒ The period for reply expires 3 months from the mailing date of the final rejection.  
b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.  
Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**NOTICE OF APPEAL**

2. ☐ The Notice of Appeal was filed on \_\_\_\_\_. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(g).

**AMENDMENTS**

3. ☐ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because  
(a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below);  
(b) ☐ They raise the issue of new matter (see NOTE below);  
(c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or  
(d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.  
NOTE: \_\_\_\_\_. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).

5. ☐ Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.

6. ☐ Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7. ☐ For purposes of appeal, the proposed amendment(s): a) ☐ will not be entered, or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: \_\_\_\_\_

Claim(s) objected to: \_\_\_\_\_

Claim(s) rejected: \_\_\_\_\_

Claim(s) withdrawn from consideration: \_\_\_\_\_

**AFFIDAVIT OR OTHER EVIDENCE**

8. ☐ The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).

9. ☐ The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

**REQUEST FOR RECONSIDERATION/OTHER**

11. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because:  
See Continuation Sheet.

12. ☐ Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). \_\_\_\_\_

13. ☐ Other: \_\_\_\_\_

/Daniel F Hajnik/  
Primary Examiner, Art Unit 2628

/Andrew Yang/

Continuation of 11, does NOT place the application in condition for allowance because: applicant's arguments are not persuasive. Applicant argues that Gardiner does not disclose or suggest a high order Z-buffer clearing section for initializing a depth value of the pixel to be displayed as the front face and retained by the high order Z-buffer memory with a predetermined value, wherein the predetermined value indicates one of a shallowest depth value and a deepest depth value, such that, when the predetermined value is not the deepest depth value, the predetermined value is the shallowest depth value, in that Applicant states that Gardiner merely teaches that a full buffer if initialized to the further possible depth value (top of page 12 of remarks). However, Gardiner is cited for the teachings of initializing the depth value to a predetermined value as one of a shallowest depth value and a deepest depth value, such that when the predetermined value is not the deepest depth value, the predetermined value is the shallowest depth value (column 11, lines 33-40, full buffer is initialized to the furthest possible depth value or sometimes initialized to the closest possible depth value when not the furthest possible depth value). Therefore, Gardiner discloses the limitation of initializing the depth value to the shallowest, or closest and deepest, or furthest depth value.

Applicant further argues that Gardiner fails to disclose or suggest initializing the high order bits and low order bits separately upon clearing the Z-buffer memory. However, there is no explicit claim language regarding initializing the high order bits and low order bits separately upon clearing the Z-buffer memory.

Applicant argues that there is no disclosure or suggestion in Dowdell and/or Gardiner or elsewhere in the prior art of record which would have caused a person of ordinary skill in the art to modify Dowdell and/or Gardiner to obtain the invention of independent claim 1. However, Gardiner includes reasons for initializing the buffer in because this would ensure that the synthetic image will render properly (column 11, lines 28-32 of Gardiner et al.) and provide for better efficiency in using the depth buffer under certain conditions (column 11, lines 36-40 of Gardiner et al.).